Listing of Claims

Claims 1-20 (Canceled)

21. (Currently Amended) A parts washer comprising:

a cleaning chamber;

a receptacle into which parts to be cleaned are placed, the receptacle being rotatably mounted within the cleaning chamber;

a plurality of spray manifolds, each spray manifold having a plurality of spray jets arranged to spray cleaning fluid ~~from a common cleaning fluid supply onto the parts in~~ toward the receptacle, the spray manifolds being moveably mounted within the cleaning chamber and ~~coupled to a spray manifold drive motor such that the spray manifold drive motor causes reciprocating motion of the spray manifolds, the spray manifolds~~ comprising at least one horizontal spray manifold ~~arranged~~ coupled with an interconnecting manifold which extends in a generally vertical direction, the interconnecting manifold arranged to reciprocate in an arc about a vertical axis to cause the at least one horizontal manifold to undergo reciprocal movement in a generally horizontal plane and to spray cleaning fluid in a generally vertical direction toward the receptacle and a vertical spray manifold spaced from the interconnecting manifold and arranged to undergo reciprocal linear motion generally along a longitudinal axis of the vertical spray manifold ~~and~~ to spray cleaning fluid in a generally horizontal direction ~~from a location outside the receptacle and~~ toward the receptacle;

an inlet manifold coupled to, and in fluid communication with, both the interconnecting manifold and the vertical manifold, the inlet manifold supplying a common cleaning fluid simultaneously to the plurality of spray manifolds wherein the common cleaning fluid is sprayed simultaneously from the at least one horizontal spray manifold and the vertical spray manifold toward the receptacle; and

a spray manifold drive motor coupled to the plurality of spray manifolds and arranged to simultaneously drive the at least one horizontal spray manifold and the vertical spray manifold wherein the at least one horizontal spray manifold and the vertical spray manifold simultaneously undergo their respective reciprocal motions.

22. (Previously Presented) The parts washer according to claim 21, wherein the reciprocal motion of the vertical spray manifold further comprises reciprocal rotational motion about its longitudinal axis.

23. (Canceled)

24. (Currently Amended) The parts washer in accordance with claim ~~23~~ 22, comprising a drive wheel ~~which is~~ coupled to and rotated by the spray manifold drive motor and a first cam member connected between the drive wheel and the inlet manifold such that the rotation of the drive wheel causes the reciprocal motion of the inlet manifold, and wherein the inlet manifold is coupled to the interconnecting manifold in a manner to cause the interconnecting manifold to reciprocate in the arc about the vertical axis.

25. (Previously Presented) The parts washer in accordance with claim 24, wherein the first cam member comprises a cam plate having a slot and the drive wheel comprises an off-centre lug engaged with said slot.

26. (Previously Presented) The parts washer in accordance with claim 25, comprising a pipe being rotatably connected between the inlet manifold and the vertical spray manifold and a second cam member connected between the drive wheel and the pipe such that rotation of the drive wheel causes the pipe to undergo reciprocal rotational movement which causes the reciprocal movement in the vertical plane of the vertical spray manifold.

27. (Currently Amended) The parts washer in accordance with claim 26, wherein the second cam member comprises a cam rod connected at a first end thereof to the off centre lug on the drive wheel and pivotally coupled at a second end thereof to the pipe.

28. (Previously Presented) The parts washer in accordance with claim 27, wherein the pipe is provided with an elbow between the inlet manifold and the vertical spray manifold and the cam rod is connected by a lever arm to the pipe, the lever arm connected to the pipe at a location between the elbow and the inlet manifold.

29. (Canceled)

30. (Previously Presented) The parts washer in accordance with claim 21, wherein each of the spray jets sprays a solid, non-diverging stream of cleaning fluid.

31. (Previously Presented) The parts washer in accordance with claim 30, wherein the spray jets are directed to spray at varying angles in a single plane.

32. (Previously Presented) The parts washer in accordance with claim 21, wherein the horizontal spray manifolds are provided with a plurality of spray jets at an outer end thereof.

33. (Previously Presented) The parts washer in accordance with claim 21, wherein the vertical spray manifold is provided with a plurality of spray jets at an upper end thereof and a plurality of spray jets at a lower end thereof.

34. (Previously Presented) The parts washer in accordance with claim 21, wherein the spray manifold drive motor is arranged such that after a single revolution of the receptacle, the spray manifolds are in a position offset from an initial position of the spray manifolds at the commencement of said revolution.

35. (Previously Presented) The parts washer in accordance with claim 21, wherein the receptacle comprises a basket mounted on a central drive shaft.

36. (Currently Amended) The parts washer in accordance with claim 21 ~~23~~, wherein the at least one horizontal spray manifold comprises a first horizontal spray manifold located above the receptacle having spray jets directed downwardly toward the receptacle and a second horizontal spray manifold located below the receptacle having spray jets directed upwardly toward the receptacle.

Claims 37-38 (Canceled)